Shivam Sharma

Greater Noida

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Summary

DevOps Engineer with hands-on experience at SkillQuestLearnings.com, applying core principles of CI/CD, cloud computing, and containerization. Proficient with AWS and Kubernetes, focused on enhancing automation and deployment workflows. Eager to contribute to high-performance DevOps teams and drive operational efficiency.

Skills

- AWS, Git&Github, Kubernetes , Containerization, Linux Operating System, Jenkins, Version Control, CI/CD, Shell Scripting, Terraform, Amazon EC2, Docker, SQL, Python

Projects

InfraGuard-Cloud Infrastructure Scanner | https://infraguard.me/ — Jun 2025 - Present

- Developed and deployed a full-stack cloud vulnerability scanning platform for AWS infrastructures using Python (Flask) for backend and HTML/CSS/JS for the frontend, hosted on Render and Vercel respectively.
- Performed vulnerability scans on EC2, S3, and IAM using AWS SDK (boto3), with dynamic result dashboards.
- Utilized AWS SDK (boto3) to perform automated EC2, IAM, and S3 security checks and generate detailed cloud security reports.
- Achieved production-level deployment with proper CORS, session handling, and async job polling for smooth UX.

CI/CD Pipeline using Jenkins | http://35.175.145.107/ — Mar 2025 - Present

- Developed a CI/CD pipeline using Jenkins, deployed a portfolio site on AWS EC2.
- Integrated GitHub webhooks and LocalTunnel to trigger Jenkins builds from a local machine.
- Utilized Docker for isolated Jenkins setup and environment consistency.
- Configured Gmail SMTP for build failure notifications; used Nginx as a reverse proxy.
- Automated Jenkins job backups via batch scripts and Windows Task Scheduler.

Work Experience

INTERNSHIP STUDIO | *C++ And Data Structures Intern* — Jul 2024 - Aug 2024

- Built a robust room booking management system using C++ to streamline booking processes, resulting in faster and more efficient room allocations
- Implemented efficient data structures to optimize search and booking functionalities, enhancing system performance and user satisfaction
- Gained hands-on experience that expanded my understanding of software development concepts and improved my problem-solving skills, leading to more effective project contributions

Skillquestlearnings.com | *DevOps Engineer* — May 2025 - Present

- Enhanced system security by restricting access through VPN-based authentication, leading to improved data protection
- Deployed and configured Ollama Mistral model to enable efficient local LLM inference, enhancing processing speed and accuracy
- Automated domain data collection through custom Python scripts, improving data retrieval and analysis workflows.
- Isolated internal Flask app from public access by enforcing VPN-only availability, reducing exposure risk.

Education

JIMS Engineering Management Technical Campus (JEMTEC) — Jan 2022 - Jan 2026

B.Tech, Computer Science & Engineering — *Greater Noida*

Certifications

- **Search Engine Optimization (SEO)**: SIMPLILEARN, Virtual, Jul 2024. Successfully completed An introduction to Search Engine Optimization (SEO) from Simplilearn. In this training, I learnt On-Page SEO, Off-Page SEO, Keywords Searching, Image Optimization, Crawling, Page Speed and Body Content and much more. This training helped me to enhance my knowledge and made me familiar to use tools like Google Keyword Planner, it also introduced me to the Ahrefs tool.
- **Web Development**: Internshala Trainings, Virtual, Sep 2023 - Dec 2023. Successfully completed a 8 weeks online certified training on Web Development. The training consisted of HTML, CSS, Bootstrap, DBMS, PHP, JS, React, and Final Project modules. In the final assessment, I scored 64% marks.

Achievements

- **2nd Runner-Up – DSA Hackathon** | Secured 2nd Runner-Up position in a DSA Hackathon by solving complex algorithmic problems under time constraints. Recognized for coding efficiency, problem-solving ability, and effective teamwork. Received a certificate of achievement.